

Ariens®

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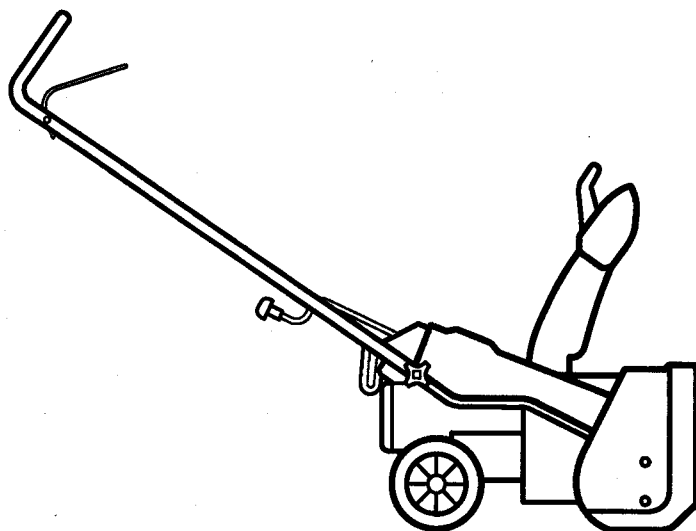
Series

▲ SAFETY MESSAGE ▲

The product for which you have requested information or replacement parts is not a current product. The replacement models incorporate product designs, safety features, safety instructions or warnings which represent the latest "State Of The Art" developments. For your safety and those around you please contact your nearest Ariens/Gravely Dealer for a demonstration of the current product safety provisions and features.

Sno-Thro®

Owner's Manual



A Message to Ariens Customers. . .

Welcome to the world of Ariens equipment. We are pleased that you have purchased the best equipment available. The care you give your Ariens equipment will determine the satisfaction and service life you will obtain from it. Use this manual, and the engine manual supplied, as your guide. By observing the instructions and suggestions in these manuals, your Ariens equipment will serve you well for many years.

Your Ariens dealer will be happy to supply any service or advice which may be required to keep your Ariens equipment operating at peak efficiency. He stocks genuine Ariens parts and lubricants manufactured with the same precision and skill as the original equipment. His factory trained staff is kept well informed on the best methods of servicing Ariens equipment and is ready and able to serve you. If engine repair or service is required, they can be

obtained from an Ariens dealer or from an authorized engine manufacturer's service center. If service is required, be prepared to supply the service person with the Model and Serial Number of the equipment and the engine, as well as a full description of the problem encountered.

NOTE: The descriptions and specifications contained in this manual were in effect at the time the manual was approved for printing. Ariens Company reserves the right to discontinue models without notice and without incurring obligation. The equipment described within this manual may not be identified as either standard or optional and the various illustrations may not all be applicable to your particular unit. If you have questions, always check with your Ariens dealer.

Safety Alert Symbol And Notations

The following safety notations are used throughout this manual to call attention to special information or operating procedures. Understand the message in each notation and be alert to unsafe conditions and the possibility of personal injury.

NOTE: A **NOTE** points out general reference information regarding proper operation and maintenance practices.

IMPORTANT: An **IMPORTANT** statement indicates specific procedures or information that is required to prevent damage to the machine or its attachments.



This safety alert symbol is used to attract your attention! **PERSONAL SAFETY IS INVOLVED!** When you see this symbol - **BECOME ALERT - HEED ITS MESSAGE.**



CAUTION: A **CAUTION** identifies safe operating practices or indicates unsafe conditions that could result in personal injury.



WARNING: A **WARNING** describes a condition where failure to follow the instructions could result in severe personal injury.



DANGER: A **DANGER** designates a condition where failure to follow instructions or heed warning will most likely result in serious personal injury or death.

Contents

Accessory	12
Adjustments	10
Controls and Features	5
Decals	3
Lubrication and Maintenance	9
Operation	6
Preparation for Operation	4
Safety Alert Symbol and Notations	i
Safety Precautions	1
Specifications	12
Storage	12
Warranty	14

Specific Model and Serial Numbers are on a label located on the frame of your Rotary Brush and on a label located on the product registration form. Record those numbers below and transfer the label from the product registration to place indicated below. Use these numbers whenever parts or service is required.

Model Number _____

Serial Number _____



Model

Model 937004 Ariens Recoil Start
3 H.P. 21" Two Stage Sno-Thro
Serial No. 000101 and up.

NOTE: All references to "Left", "Right", "Front" and "Rear" are given from operator's position.

Safety Precautions

Training

Read and understand this Owner's Manual and engine instructions before operating unit. Be thoroughly familiar with controls and proper use of equipment. Know how to stop unit and disengage control quickly in an emergency.

Use only accessories designed for your unit. See your Ariens Dealer for a complete list of accessories.

Understand and follow each Danger, Warning, Caution and instruction decal installed on equipment.

NEVER allow children to operate equipment. DO NOT allow adults to operate unit without proper instructions.

Keep the area of operation clear of all persons, particularly children and pets.

Safe operation of this equipment requires your complete and unimpaired attention at all times. DO NOT operate unit after or during the consumption of medication, drugs or alcohol.

Preparation

Before first snowfall of the season clearly mark location of all obstacles (such as driveway markers, water or gas shut off and etc.) so that they can be avoided when throwing snow.

Thoroughly inspect and clear work area of objects which might be picked up and thrown. Remove all doormats, sleds, boards, wires, bones and other foreign objects.

Wear adequate winter outer garments, gloves and rubber footwear which will improve footing on slippery surfaces.

Part Number 037097A
Printed in U.S.A.7/94

Safety Precautions (Continued)

Wear eye protection such as safety goggles to protect eyes from objects that may be thrown from machine.

DO NOT wear loose clothing or scarves that may get caught in rotating parts of unit.

Gasoline is highly flammable and its vapors are explosive. Handle with care. Use an approved (RED) fuel container.

NEVER allow smoking materials, sparks or flame (match, pilot light, etc.) near equipment or fuel container.

Check fuel supply before starting engine. Fill fuel tank outdoors with extreme care; **DO NOT** fill fuel tank indoors, when engine is running or while engine is still hot from operation. Replace fuel cap securely and wipe spilled fuel before starting engine.

DO NOT use unit on loose gravel that may be picked up and thrown out discharge chute causing damage or injury.

NEVER attempt to make any adjustments to unit while engine is running (except where specifically recommended).

Operation

DO NOT put hands or feet near rotating parts. Keep clear of discharge opening at all times.

Check function of all controls before starting engine. Keep all safety devices and guards in position and operating properly or personal injury may result.

Open doors if engine is run in garage, exhaust fumes are dangerous. **DO NOT** run engine in an enclosed area.

Operate equipment only when there is good visibility and light.

Always be sure of your footing (walk never run). Exercise caution to avoid slipping or falling.

Disengage power to auger/impeller when unit is being transported or is not in use.

DO NOT overload machine capacity by attempting to clear snow at too fast a rate.

NEVER direct discharge of material toward bystanders nor allow anyone in front of equipment while unit is in operation. Be familiar with area of operation.

Stay alert for holes, rocks, roots and hidden hazards in area of operation.

Exercise extreme caution when operating on or crossing gravel drives, walks or roads. Stay alert for hazards and traffic. **DO NOT** operate unit near glass enclosures, automobiles, window wells, drop-offs, etc., without proper adjustment of discharge direction and angle.

DO NOT clear snow across face of slopes. Exercise extreme caution when changing direction on slopes. **DO NOT** attempt to clear steep slopes.

Stop engine, remove key and wait for moving parts to stop before leaving operator's position for any reason such as; unclogging auger/impeller housing or discharge chute, when making any repairs, adjustments, inspections or cleaning unit.

DO NOT touch equipment parts which might be hot from operation. Before attempting to maintain, adjust or service allow such parts to cool.

If equipment vibrates abnormally, disengage attachment, stop engine at once, and remove key. Abnormal vibration is a warning of trouble. Repair any damage before restarting unit.

After striking a foreign object, stop engine, remove key and wait for moving parts to stop before leaving operator's position. Thoroughly inspect unit for any damage and repair damage before restarting and operating unit.

Run unit a few minutes after throwing snow to prevent freeze up of auger/impeller in housing.

Take all possible precautions when leaving unit unattended, such as disengaging power to attachment, stopping engine and removing key to prevent unauthorized use.

Safety Precautions (Continued)

Maintenance and Storage

DO NOT change engine governor setting or overspeed engine.

Keep all nuts, bolts and screws tight and be sure equipment is in safe working condition. Check all hardware at regular intervals.

Refer to Owner's Manual for important instructions if Sno-Thro is to be stored for extended periods.

Never store equipment with fuel in tank inside a building where fumes may reach an open flame or spark. Allow engine to cool before storing in any enclosure.

Maintain or replace safety and instruction decals as necessary.

Safety Decals



SAFETY INSTRUCTIONS

TO AVOID POSSIBLE INJURY READ OWNERS MANUAL AND UNDERSTAND PURPOSE OF ALL SAFETY ALERTS

- ALLOW OPERATION ONLY FROM A TRAINED ADULT WITH CHILDREN
- STOP ENGINE AND REMOVE IGNITION KEY PRIOR TO LEAVING OPERATOR POSITION FOR ANY REASON
- KEEP FEET CONTROLLED AND

- ALWAYS WEAR YOUR SEATBELT AND SAFETY GLASSES
- NEVER REPAIR OR SERVICER EQUIPMENT WHILE IT IS RUNNING OR WHEN IT IS HOT. ALWAYS ALLOW EQUIPMENT TO COOL DOWN BEFORE SERVICING.

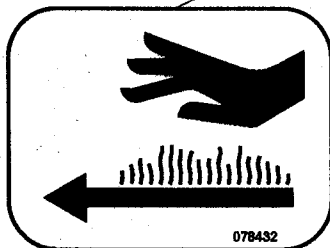
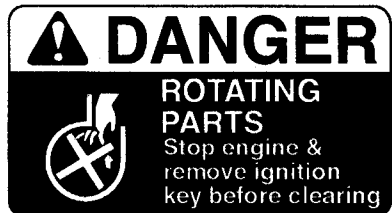
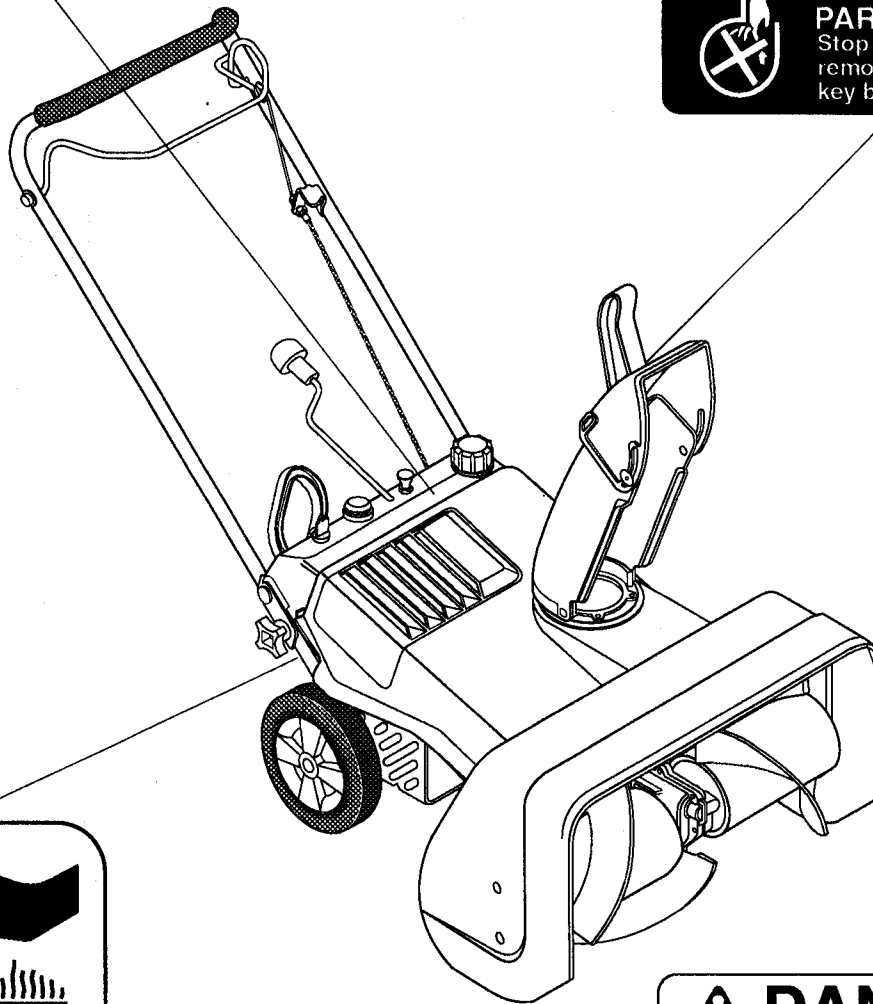


Figure 1: Decal Locations

Dealer Preparation For Operation

Customer Note: Your Ariens Dealer is expected to complete these preparation steps and review important information, including this manual, with you before or upon delivery of machine or attachment.

The preparation information is included here so that you and your dealer may review it together.



WARNING: Failure to follow all instructions could result in personal injury and/or damage to sno-thro. Remove wire from spark plug before attempting any adjustment or assembly procedure.

IMPORTANT: 2 cycle engines require that oil be mixed with fuel. Refer to Fuel in Operation Section of this manual for recommended mixture.

Discharge Chute

Remove rear cap screws and nuts from rear of discharge chute, tip discharge chute up and install hardware just removed. Tighten hardware at rear of discharge chute first then at sides.

Discharge Chute Crank

With discharge chute facing forward, remove engine cover. With knob down, place Discharge Chute Crank rod through hole in dash panel and into pinion on discharge chute. Secure with hair pin. Replace engine cover.

Handlebar

Attach upper handlebar to lower using washers, lock washers, lock bars and knobs. Refer to Adjustments Section and check Attachment Brake and Clutch for proper function.

Auger Gear Case

Check grease level in auger gear case (refer to Lubrication and Maintenance Section of this manual).

Engine Fuel



WARNING: Gasoline is highly flammable and its vapors are explosive. Handle with care. Use an approved (RED) gasoline container.



CAUTION: Check function of all controls before starting engine. All safety devices and guards must be in position and operating properly or personal injury may result.

Fill fuel tank with unleaded gasoline and oil mixture. Tank capacity is 1 quart.

Registration

Complete Sno-Thro Prewarranty Registration Form and mail original copy to Ariens Company.

Warranty is registered under model and serial number found on a label on unit.

Delivery

Using the Owner's Manual instruct the customer on controls and operation of unit. Emphasize safety and discuss the Safety Precautions.

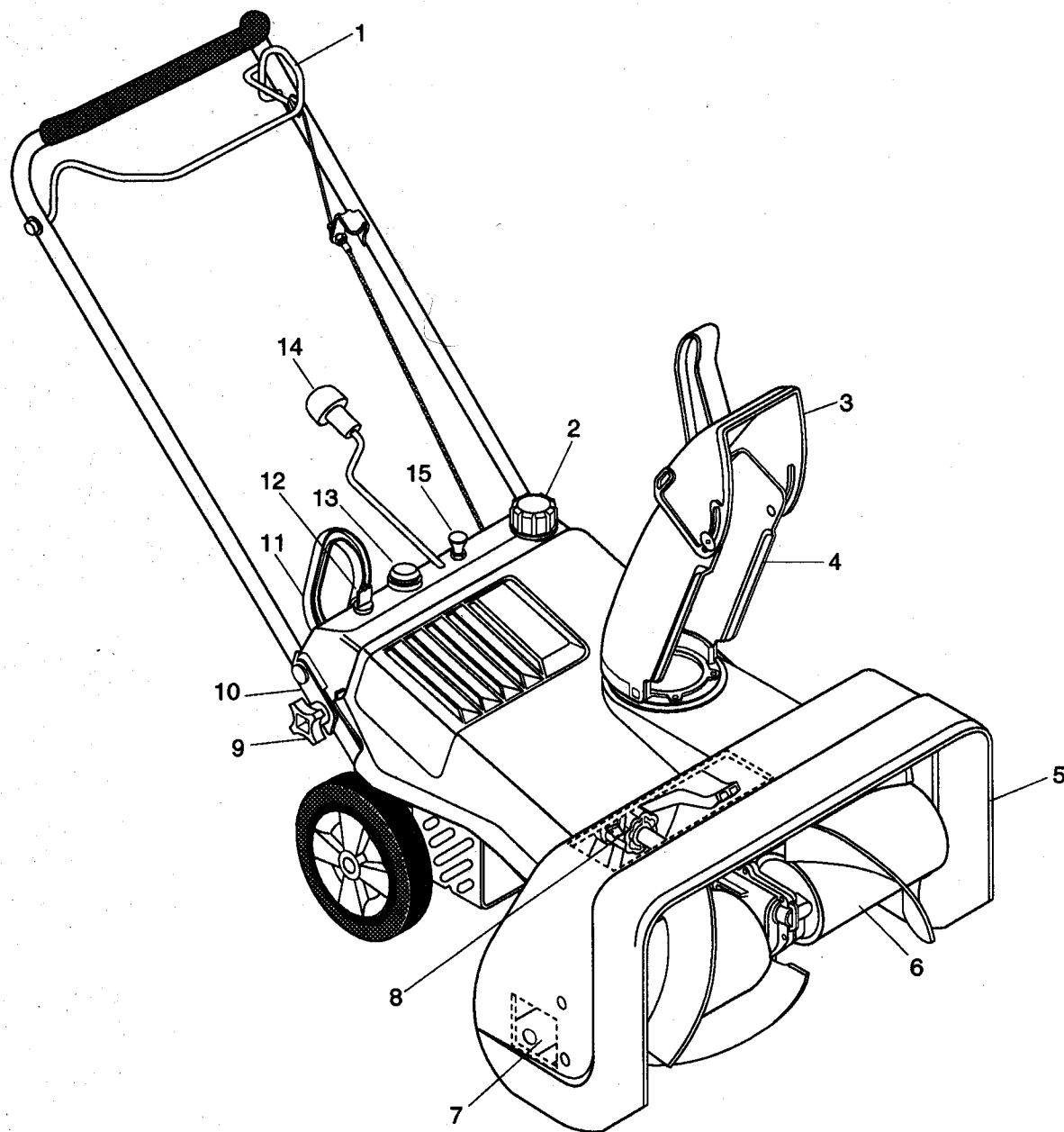
Explain recommended lubrication and maintenance of unit.

Advise customer on adjustments.

Explain Ariens Company, Limited Warranty Policy, fill out Original Purchaser Registration Card, Parts and Repair Manuals order Form and return to Ariens Company. Place Model and Serial Number on page (1) of this manual.

Give customer his Owner's Manual and advise him to thoroughly read and understand Sno-Thro Owner's Manuals.

Controls and Features



- | | |
|---------------------------|--------------------|
| 1. Chute Bail | 9. Handlebar Knob |
| 2. Fuel Tank and Cap | 10. Lock Bar |
| 3. Chute Deflector | 11. Recoil Starter |
| 4. Discharge Chute | 12. Key Switch |
| 5. Auger/Impeller Housing | 13. Primer Bulb |
| 6. Auger | 14. Chute Crank |
| 7. Scraper Blade | 15. Choke |
| 8. Impeller | |

Figure 2: Control and Feature Locations

Operation



WARNING: Wear adequate winter outer garments and footwear which will improve footing on slippery surfaces. Wear eye protection such as safety goggles to protect eyes from objects that may be thrown from machine. DO NOT wear loose clothing or scarves that may get caught in rotating parts of unit.



CAUTION: Make sure all hardware is tight, all safety devices in place and all adjustments correct.

IMPORTANT: Check impeller to be sure it is not frozen. With key in its off position move clutch bail to engaged position, and pull recoil starter. If impeller is frozen, (can not pull recoil starter) move Sno-Thro to a heated area and thaw to prevent possible damage to unit.

NOTE: This product is equipped with an internal combustion engine. DO NOT use unit on or near any unimproved, forest-covered or brush-covered land unless exhaust system is equipped with a spark arrester meeting applicable local, state or federal laws. A spark arrester, if it is used, must be maintained in effective working order by operator.

Fuel

IMPORTANT: Failure to mix oil with gasoline will result in seizure and severe damage to engine. DO NOT use gasohol or gasoline containing alcohol because alcohol will attack and cause internal parts to deteriorate.

NOTE: To prevent foreign particles from entering tank while filling; wipe snow, dust, dirt and debris from around cap before removing.



WARNING: Gasoline is highly flammable and must be handled with care. Allow engine to cool several minutes before removing fuel tank cap. Never fill tank when engine is running or hot from operation. DO NOT allow open flame, matches, or smoking in area. DO NOT overfill. Wipe up any spills and allow vapors to dissipate. Use approved (RED) gasoline container.

Ariens 2 cycle oil has been formulated to insure maximum engine performance and increased engine life. Premix Ariens oil (1-50 ratio) per instructions on container. If Ariens oil is not available, select a quality 2 cycle oil BIATC (Boating Industry Association Two Cycle) approved oil and use unleaded gasoline.

If oil manufacturer does not recommend mixing ratio, mix at the 1 to 50 ratio.

NOTE: After fuel mixture has been left standing for a prolonged time it will begin to separate, therefore thoroughly shake mixture before using.

Chute Deflector

Position Deflector at desired height. DO NOT throw snow any higher than necessary.

NOTE: Tighten locking hardware on chute deflector if it does not stay in set position.

Discharge Chute Crank



DANGER: DO NOT put hands or feet near or under rotating parts. Keep clear of discharge opening at all times.



WARNING: NEVER direct discharge of material toward bystanders nor allow anyone in front of equipment while unit is in operation. Be familiar with area of operation.

IMPORTANT: DO NOT operate Sno-Thro near glass enclosures, automobiles, window wells, drop off etc., without proper adjustment of discharge direction and angle.

Direct snow away from area to be cleared and with direction of wind whenever possible. Crank rotates chute 210 degrees.

Snow is best removed as soon as possible after a snow fall.

Operation (Continued)

Starting



CAUTION: DO NOT attempt to start your engine at this time. Thoroughly read this entire Owner's Manual and engine manufacturers operating instructions first.

NOTE: Try out each control without running engine to see how they work and what they do.

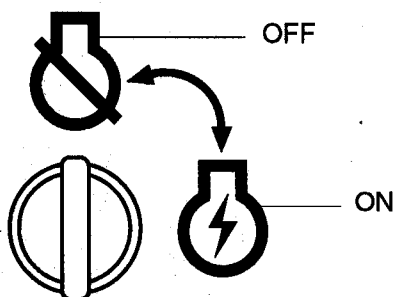


Figure 3: Engine Ignition

Engine Ignition



WARNING: If equipment vibrates abnormally disengage attachment, stop engine at once, and remove key. Abnormal vibration is a warning of trouble. Repair any damage before restarting unit.



CAUTION: Turn Key "OFF" and remove it before attempting any maintenance, adjustment or leaving unit unattended.

To start engine, place Key in Switch and turn it clockwise to "RUN" position.

Choke

Pull choke control to "Choke" position. When engine has started, open choke gradually.

NOTE: A warm engine requires less choking than a cold engine.

Primer Bulb

Push primer bulb two or three times when engine is cold. When temperatures are below -15 degrees Fahrenheit, additional priming may be needed.

Recoil Starter



WARNING: To prevent discharge toward operators' starting position, always turn discharge chute straight ahead for starting unit.

Stand to right of unit. Grasp starter handle and pull rope out slowly until it pulls harder, this is compression stroke, let rope rewind slowly.

Then pull rope with a rapid continuous full arm stroke. Let rope rewind slowly.

IMPORTANT: DO NOT let starter handle snap against bracket.

Repeat above instructions until engine starts. (Refer to engine manufacturers instructions).

Electric Starter (Optional Accessory)

Connect power cord to switch box first then plug other end into 120 volt AC receptacle.

Push Starter Button to crank engine.

IMPORTANT: This electric starter is not equipped with a thermal cut-out switch. DO NOT crank engine for more than a total of 20 seconds without allowing electric starter to cool down for 10 minutes. Failure to do this can severely damage electric starter.

When engine starts, release starter button and disconnect power cord from receptacle first, then from switch box.



CAUTION: DO NOT overload machine capacity by attempting to clear snow at too fast a rate.

Operation (Continued)



CAUTION: Operate equipment only with good visibility and light.



CAUTION: Stay alert for holes, rocks, roots and hidden hazards in area of operation. Exercise extreme caution when operating on or crossing gravel drives, walks or roads. Stay alert for hidden hazards or traffic.

Clutch Bail



CAUTION: Stop engine and remove wire from spark plug after striking a foreign object. Thoroughly inspect sno-thro for any damage and repair damage before restarting and operating unit.

Snow is best removed as soon as possible after a snow fall. Squeezing Clutch Bail against handlebar engages auger and impeller so machine will move forward and throw snow. Releasing Bail disengages auger and impeller and brake stops rotation.

IMPORTANT: Check impeller to be sure it is not frozen. If belt squeals when Clutch Bail is engaged, impeller is frozen, release Clutch Bail and move unit to a heated area to thaw.



CAUTION: Check clutch disengagement before each use. If auger/impeller does not stop quickly, when clutch bail is released, adjust or repair per Adjustment Section of this manual before operating unit.

During snow removal, auger propels unit forward while collecting snow. The forward speed will vary according to snow depth and moisture content, and scraper blade adjustment.

Efficient unit operation depends on proper scraper blade adjustment. Refer to Scraper Blade in Adjustment Section.

NOTE: When transporting, unit should be shut off. To transport unit to or from an area to be cleared, press down on handlebar enough to raise front of Sno-Thro slightly off surface and push or pull unit.

To clear an area, run Sno-Thro in an overlapping series of paths. For large areas start in middle and throw snow to each side so you do not have to move it more than once.

Stopping



WARNING: Take all possible precautions when leaving unit unattended, Such as disengaging power to attachment, stopping engine and removing key to prevent unauthorized use.

IMPORTANT: Run attachment a few minutes after throwing snow to prevent freeze-up of auger/impeller.

Release Clutch Bail and turn engine Ignition Key to "OFF".

Lubrication and Maintenance

Ariens Dealers will provide any service which may be required to keep your Sno-Thro operating at peak efficiency. Should engine service be required, it can be obtained from an Ariens dealer or an authorized engine manufacturer's service center.



WARNING: Stop engine, remove key and wait for moving parts to stop before attempting any lubrication or maintenance procedures.



CAUTION: DO NOT touch engine or Sno-Thro drive parts which are hot from operation. Allow such parts to cool before servicing unit.

Engine Cooling

Engine is air cooled. Air must circulate freely around engine from air intake screen, over cooling fins on cylinder head and block, to prevent overheating.

Every 100 operating hours or yearly (more often if conditions require) remove cooling shrouds and clean cooling fins. Also clean external surfaces of engine of dust, dirt and oil deposits which can contribute to improper cooling.

IMPORTANT: DO NOT operate engine with cooling shrouds removed, this will cause overheating and engine damage.

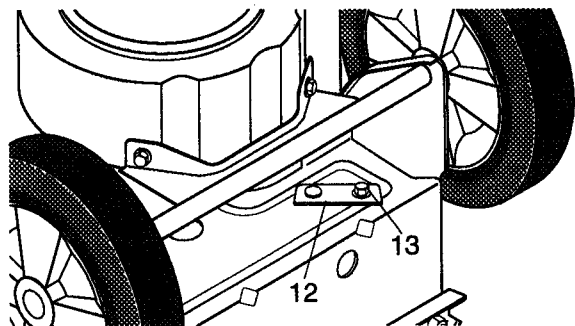
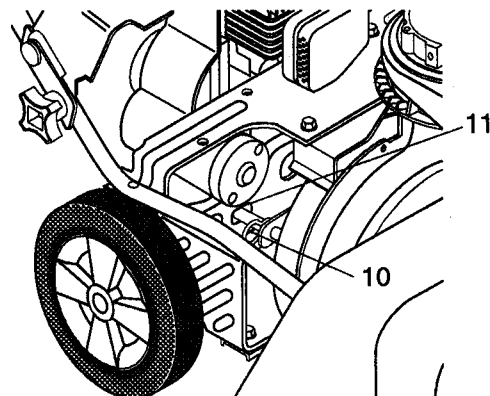
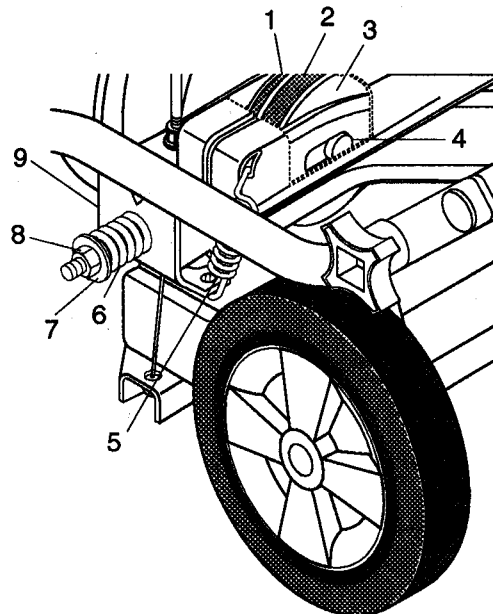
Drive Belts



WARNING: Gasoline is highly flammable and its vapors are explosive. Handle with care. Never allow smoking materials, sparks or flame (match, pilot light, etc.) near equipment or fuel container.



CAUTION: When unit is tipped up onto housing, remove enough fuel so that no spillage will occur.



- | | |
|------------------------------|------------------|
| 1. Auger/Impeller Drive Belt | 7. Washer |
| 2. Engine Drive Belt | 8. Lock Nut |
| 3. Idler | 9. Pivot Bracket |
| 4. Idler Pin | 10. Hair Pin |
| 5. Extension Spring | 11. Bracket Pin |
| 6. Compression Spring | 12. Pin Plate |
| | 13. Cap Screws |

Figure 4: Drive Belts

Lubrication and Maintenance (Continued)

When replacing belts, replace both belts at same time. To replace drive belts, disconnect extension spring and relieve compression of compression spring on pivot bracket.

Remove idler pin from idler and bracket then idler from machine.

Remove two hair pins from bracket pin. Cap screw from pin plate and pin and plate from unit.

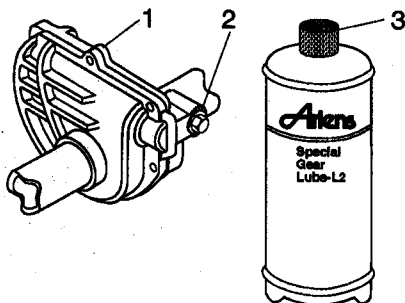
Remove pivot bracket and belts from unit.

Install new belts in reverse order.

NOTE: Make sure pulleys align. If alignment is necessary, loosen pin plate cap screw, align belts and tighten cap screw.

Auger Gear Case

IMPORTANT: Too much lubricant may cause excessive leakage. Too little lubricant will cause gear and/or bearing damage.



1. Auger Gear Case
2. Gear Lube Fill
3. Ariens Special L-2 Gear Lube

Figure 5: Auger Gear Case

Gear cases are filled to the correct level at the factory. Unless there is evidence of leakage, no additional lubricant should be required. Check for evidence of leakage every 25 hours of operation.

To insure adequate oil level, (2 oz. minimum), the following checking procedure is recommended, especially if there is evidence of leakage. Find a flat level surface adjacent to a vertical surface (floor next to wall or post etc). Make a mark on the vertical surface with marker or tape 10.0 inches up from the flat level surface. (One inch wide masking or wrapping tape works especially well).

Remove the gear case oil fill plug. Wipe the inside end clean with a soft cloth and replace finger tight. Move the front of the sno thro near the vertical surface and slowly raise the handlebars until the mark is seen at the top of the auger/impeller housing. Count to 100 while holding at the position to insure that the lubricant has had time to seek a stable level. Return the sno thro to its level operating position and remove the gear case oil fill plug to determine if the end previously wiped clean has been "wetted" by the lubricant. If so, lubricant level is adequate. Replace the fill plug.

When adding lubricant, add only Ariens special gear lube L-2 (Part Number 000080). After adding lubricant, you may want to check to insure the level is not too high. To do this, repeat the above procedure with the mark on the vertical surface one inch higher. Allow plenty of time to drain at this position with the fill plug removed. 5 inch high blocks inserted under the wheels of all models serve well to hold them in a "drain-to-maximum-level" position.

Adjustments

Ariens Company recommends that you have adjustments made by your Ariens dealer. He has tools and the know-how to properly perform adjustments which may be required to keep your Sno-Thro operating at peak efficiency. Should you decide to make the following adjustments on your Sno-Thro yourself, Ariens Company recommends that you call your dealer for answers to any questions that might arise.



WARNING: Gasoline is highly flammable and its vapors are explosive. Handle with care. Never allow smoking materials, sparks or flame (match, pilot light, etc.) near equipment or fuel container.

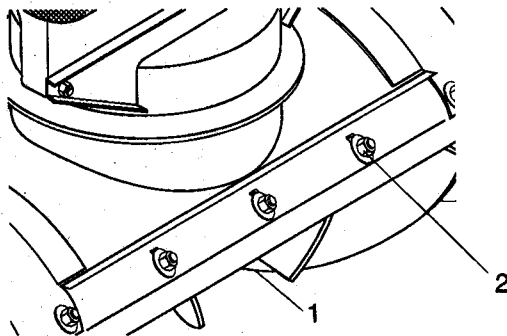


CAUTION: When unit is tipped up onto housing, remove enough fuel so that no spillage will occur.

Scraper Blade



CAUTION: DO NOT use this machine on loose gravel. Gravel may be picked up and thrown from discharge chute resulting in damage to nearby property and/or injury to bystanders.



1. Scraper Blade

2. Carriage Bolts and Nuts

Figure 6: Scraper Blade

Scraper Blade is adjustable to compensate for wear and to control auger traction (auger propels unit).

Adjust scraper blade equally its full length if machine does not scrape cleanly or if machine does not drive forward properly.

To adjust scraper blade, tip unit back and rest unit on handlebar. Loosen nuts on carriage bolts along scraper support. If unit does not scrape cleanly, move scraper blade forward. If unit does not drive forward and scraper blade drags, move scraper blade to the rear.

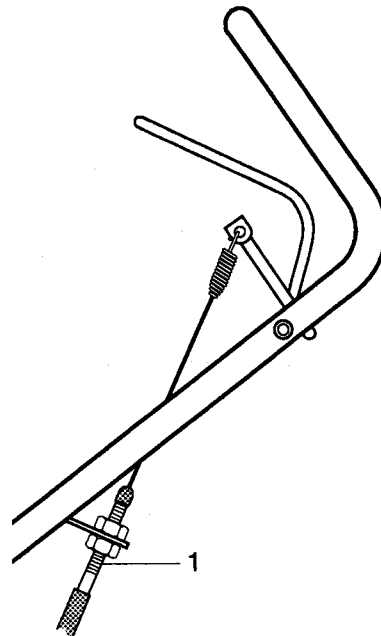
NOTE: Tighten hardware and test unit. Repeat adjustment as required until proper operation is obtained.

Engine Belt



CAUTION: For proper braking and engine belt engagement, with Clutch Bail disengaged, there must be slack in cable. There should be 3/16" to 1/4" extension of cable spring when Clutch Bail is held against handlebar.

To adjust, turn nuts on upper cable end until there is the proper spring extension and lock in position by locking nuts against bracket.



1. Cable End

Figure 7: Engine Belt Adjustment

Adjustments (Continued)

Belt Alignment

When replacing belts, replace both belts at the same time. To align belts, loosen pin plate cap screw, align pulleys and secure with cap screw.

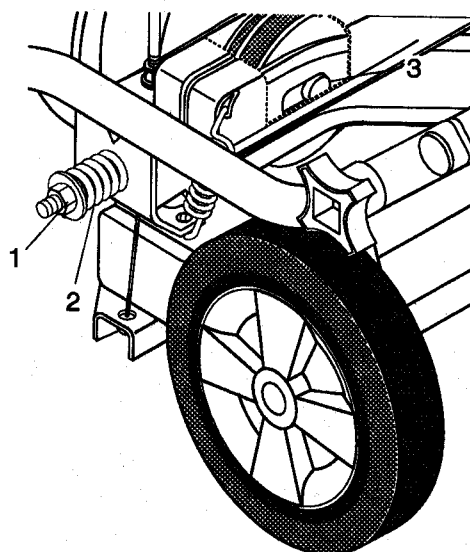
Auger/Impeller Belt

For proper tension of auger/impeller belt, tip unit up on auger/impeller housing. Check that idler pin is in position with flat of pin toward center of unit.

Loosen lock nut far enough so that compression spring and washer are free to rotate. Then tighten nut until spring no longer turns freely. From this position, tighten lock nut exactly eight (8) turns to provide proper tension on auger/impeller belt.

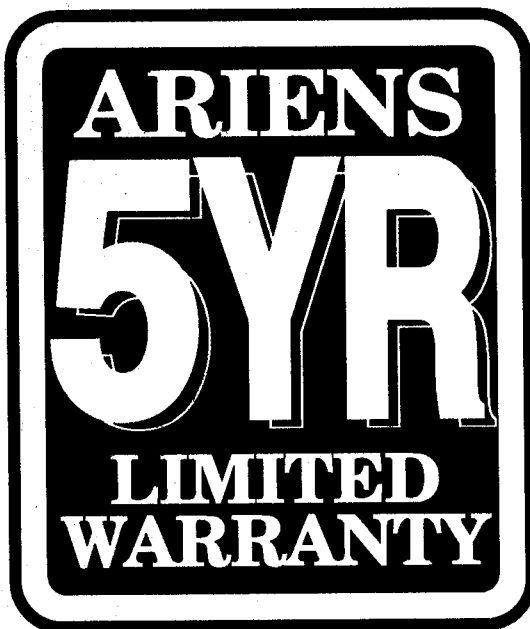


WARNING: With improper use injury may result if clutch bail is released and brake **DOES NOT STOP** auger/impeller within 5 seconds.



1. Lock Nut
2. Compression Spring
3. Idler Pin

Figure 8: Auger/Impeller Belt Adjustment



Quality PRODUCTS Quality GUARANTEE

Ariens Company hereby warrants to the original consumer purchaser that products manufactured by Ariens Company will be free from defects in material and workmanship FOR A PERIOD OF FIVE (5) YEARS FROM THE DATE OF PURCHASE, EXCEPT AS NOTED BELOW.



PROTECTION PLAN

- The Company will provide for the replacement of any part found upon examination by the Company to be defective. Such repair or replacement will be free of charge to the purchaser (labor and parts) for **two years** (24 months) from the date of purchase. Ariens manufactured parts (but not labor) will be free of charge for an **additional three years** (36 months) thereafter.

This warranty is subject to the following exceptions and limitations:



PURCHASER RESPONSIBILITIES -

- Maintenance & minor adjustments per owners manual
- Notification of need for warranty service
- Transportation to/from place of warranty repair



PRODUCT REGISTRATION -

- Return of registration card required to validate warranty



PURCHASED COMPONENTS AND NORMAL WEAR -

- **Two year** labor and parts on purchased components i.e., (tractor drive train components manufactured by Dana, Eaton, Foote, Sundstrand and any plastic and electrical components, wire harnesses, bags, boots tubes, etc.).
- **Two year** labor and parts on normal wear items i.e., (belts and rubber components, bearings, cables, controls, clutches, tines, etc.).



BATTERY WARRANTY PRORATED -

- **One to six months - free replacement**
- Seven to twelve months - 50 % credit
- Thirteen to twenty-four months - 25% credit



WARRANTY - COMMERCIAL PRODUCTS -

- **One year** parts and labor
- Product labeled commercial / professional
- Household use - 5 year limited warranty applies



RENTAL USE - ALL PRODUCTS • NINETY DAYS LABOR & PARTS

CONSUMER PRODUCT - PUT TO COMMERCIAL, INDUSTRIAL, INSTITUTIONAL USE - • NINETY DAYS LABOR & PARTS

SERVICE PARTS AND ACCESSORIES - • NINETY DAYS LABOR & PARTS



SERVICE -

- For warranty service, contact any Ariens Distributor or Dealer. For the name and location of the Ariens Distributor or Dealers in your area, and for further warranty information, write or call the Ariens Company.



ENGINES, ENGINE ACCESSORIES, AND PEERLESS PRODUCTS -

- Covered only by manufacturer's warranty.



EXCLUSIONS -

- No warranty is extended to blades, mower vanes, skid shoes, runners, scraper blades, shear bolts, light bulbs, headlights and any equipment which has been altered, misused, misassembled, improperly adjusted, neglected, or damaged by accident.
- No warranty is extended for service completed by someone other than an authorized distributor or dealer.
- No warranty is extended on any parts that are not genuine Ariens service parts.

Ariens Company reserves the right to incorporate any changes in design into its products without obligation to make such changes on products previously manufactured.

DISCLAIMER OF FURTHER WARRANTY

There is no other express warranty. Implied warranties, including any warranty of merchantability or fitness for a particular purpose, are limited to the duration of this written warranty, and are excluded to the extent permitted by law. There are no warranties which extend beyond the description of the product contained herein. In no event shall the company be liable for indirect, special or consequential damages (such as loss of anticipated profits) in connection with the consumer's use of the product.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Some states do not allow the exclusion of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above limitation and exclusions may not apply to you.



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Ariens Company
655 W. Ryan Street
P.O. Box 157
Brillion, WI 54110-1098